Serial Number: 08/738,944

CRF Processing Date: 9/18/97
Edited by: _____
Verified by: _____ (STIC staff)

ENTERED #11

9/29/97

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically: _____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included: _____

☐ Deleted extra, invalid, headings used by an applicant, specifically: _____

☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.

☑ Inserted ~~mandatory~~ headings, specifically: Seq 38 47 - inserted (ix) FEATURE: heading

☐ Corrected an obvious error in the response, specifically: _____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically: _____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other: _____
_____
_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.   3/1/95

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

Does Not Comply Corrected Diskette Needed

```
 1                           SEQUENCE LISTING
 2
 3    (1)     General Information
 4
 5          (i) APPLICANT: Peterson, et al.
 6
 7          (ii) TITLE OF THE INVENTION: METHODS FOR GENERATING AND
 8                    SCREENING NOVEL METABOLIC PATHWAYS
 9
10          (iii) NUMBER OF SEQUENCES: 51
11
12          (iv) CORRESPONDENCE ADDRESS:
13             (A) ADDRESSEE: Pennie & Edmonds
14             (B) STREET: 1155 Avenue of the Americas
15             (C) CITY: New York
16             (D) STATE: NY
17             (E) COUNTRY: USA
18             (F) ZIP: 10036/2711
19
20          (v) COMPUTER READABLE FORM:
21             (A) MEDIUM TYPE: Diskette
22             (B) COMPUTER: IBM Compatible
23             (C) OPERATING SYSTEM: DOS
24             (D) SOFTWARE: FastSEQ Version 2.0
25
26          (vi) CURRENT APPLICATION DATA:
27             (A) APPLICATION NUMBER: 08/738,944
28             (B) FILING DATE: 24-OCT-1996
29             (C) CLASSIFICATION:
30
31          (vii) PRIOR APPLICATION DATA:
32             (A) APPLICATION NUMBER: USSN 08/639,255
33             (B) FILING DATE: 24-APR-1996
34
35
36
37          (viii) ATTORNEY/AGENT INFORMATION:
38             (A) NAME: Coruzzi, Laura A
39             (B) REGISTRATION NUMBER: 30,742
40             (C) REFERENCE/DOCKET NUMBER: 8757-007
41
42          (ix) TELECOMMUNICATION INFORMATION:
43             (A) TELEPHONE: 212-790-9090
44             (B) TELEFAX: 212-869=8864
45             (C) TELEX: 66141 PENNIE
```

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION   US/08/738,944

DATE: 09/18/97
TIME: 16:17:30

INPUT SET: S20427.raw

Best Available Copy

46
47

ERRORED SEQUENCES FOLLOW:

```
1099              (2) INFORMATION FOR SEQ ID NO:38:
1100
1101          (i) SEQUENCE CHARACTERISTICS:
1102            (A) LENGTH: 69 base pairs
1103            (B) TYPE: nucleic acid
1104            (C) STRANDEDNESS: single
1105            (D) TOPOLOGY: linear
1106
1107          (ii) MOLECULE TYPE: DNA
1108          (ix) FEATURE: ⟵
-->  1109            (A) NAME/KEY: Other
-->  1110            (B) LOCATION: 6...7, 28...29, 50...51
-->  1111            (D) OTHER INFORMATION: Promoter site
1112
1113
-->  1114            (A) NAME/KEY: Other
-->  1115            (B) LOCATION: 14...15, 36...37, 58...59
-->  1116            (D) OTHER INFORMATION: Methylated site
1117
1118
-->  1119            (A) NAME/KEY: Other
-->  1120            (B) LOCATION: 22...23, 44...45, 66...67
-->  1121            (D) OTHER INFORMATION: Terminator site
1122
1123          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:38:
1124
1125  GGATCTCTCG ATCCGGATCG AGGGATCTCT CGATCCGGAT CGAGGGATCT CTCGATCCGG      60
1126  ATCGAGGGA                                                             69
1127
```

```
1396              (2) INFORMATION FOR SEQ ID NO:47:
1397
1398          (i) SEQUENCE CHARACTERISTICS:
1399            (A) LENGTH: 68 base pairs
1400            (B) TYPE: nucleic acid
1401            (C) STRANDEDNESS: single
1402            (D) TOPOLOGY: linear
1403
1404          (ii) MOLECULE TYPE: DNA
1405          (ix) FEATURE:
-->  1406            (A) NAME/KEY: Other
-->  1407            (B) LOCATION: 1
-->  1408            (D) OTHER INFORMATION: Phosphate at nucleotide 1
1409
1410
```

INPUT SET: S20427.raw

```
--> 1411        (A) NAME/KEY: Other
--> 1412        (B) LOCATION: 4...5
--> 1413        (D) OTHER INFORMATION: pDbLET Vector
    1414
    1415

--> 1416        (A) NAME/KEY: Other
--> 1417        (B) LOCATION: 12...13, 34...35
--> 1418        (D) OTHER INFORMATION: Terminator site
    1419
--> 1420        (A) NAME/KEY: Other
--> 1421        (B) LOCATION: 20...21, 42...43
--> 1422        (D) OTHER INFORMATION: Methylated inserts
    1423
--> 1424        (A) NAME/KEY: Other
--> 1425        (B) LOCATION: 28...29, 50...51
--> 1426        (D) OTHER INFORMATION: Promoter site
    1427
    1428        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:47:
    1429
    1430  CTGGCTCGAT CCCTCGATCC GGATCGAGAG ATCCCTCGAT CCGGATGGAG AGATCCGGGC      60
    1431  TACCTTAG                                                               68
    1432
```

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/08/738,944*

INPUT SET: S20427.raw

Line	Error	Original Text
1109	Unknown or Misplaced Identifier	(A) NAME/KEY: Other
1110	Unknown or Misplaced Identifier	(B) LOCATION: 6...7, 28...29, 50...51
1111	Unknown or Misplaced Identifier	(D) OTHER INFORMATION: Promoter site
1114	Unknown or Misplaced Identifier	(A) NAME/KEY: Other
1115	Unknown or Misplaced Identifier	(B) LOCATION: 14...15, 36...37, 58...59
1116	Unknown or Misplaced Identifier	(D) OTHER INFORMATION: Methylated site
1119	Unknown or Misplaced Identifier	(A) NAME/KEY: Other
1120	Unknown or Misplaced Identifier	(B) LOCATION: 22...23, 44...45, 66...67
1121	Unknown or Misplaced Identifier	(D) OTHER INFORMATION: Terminator site
1406	Unknown or Misplaced Identifier	(A) NAME/KEY: Other
1407	Unknown or Misplaced Identifier	(B) LOCATION: 1
1408	Unknown or Misplaced Identifier	(D) OTHER INFORMATION: Phosphate at nucleotide 1
1411	Unknown or Misplaced Identifier	(A) NAME/KEY: Other
1412	Unknown or Misplaced Identifier	(B) LOCATION: 4...5
1413	Unknown or Misplaced Identifier	(D) OTHER INFORMATION: pDbLET Vector
1416	Unknown or Misplaced Identifier	(A) NAME/KEY: Other
1417	Unknown or Misplaced Identifier	(B) LOCATION: 12...13, 34...35
1418	Unknown or Misplaced Identifier	(D) OTHER INFORMATION: Terminator site
1420	Unknown or Misplaced Identifier	(A) NAME/KEY: Other
1421	Unknown or Misplaced Identifier	(B) LOCATION: 20...21, 42...43
1422	Unknown or Misplaced Identifier	(D) OTHER INFORMATION: Methylated inserts
1424	Unknown or Misplaced Identifier	(A) NAME/KEY: Other
1425	Unknown or Misplaced Identifier	(B) LOCATION: 28...29, 50...51
1426	Unknown or Misplaced Identifier	(D) OTHER INFORMATION: Promoter site